

Powerful. Beautiful.

Excellence · Innovation

IPC50185

IPC51185

IPC52185



*front-screen button: the right side, widescreen button: the lower side

Shanghai Panelmate Electronics Co., Ltd.

18.5" WXGA Industrial Arm-Mounted Operation Panel PC

IPC50185 & IPC51185 & IPC52185

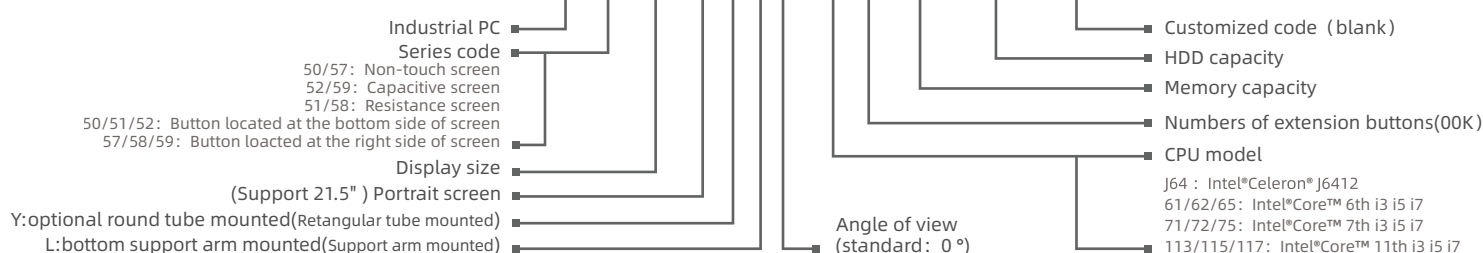


Features

- Display type: 15", 15.6", 18.5", 19", 21.5", 24", 27"
- Front panel/back cover: Aluminium-magnesium alloy
- IP protection level: IP65
- Screen Type: Single point resistive touchscreen, Multi-point capacitive touchscreen, Non-touch screen
- OS: Win 7, Win 8, Win 10, Win 11, Linux, etc
(Intel® Celeron® J6412, Intel® Core™ 11th don't support Win7)
- Equipped with 2x Intel i210AT Gigabit network cards, 4x USB
- According to the different processor motherboards, equipped with rich interfaces
- Processor: Intel Celeron J6412, Intel® Core™ 6/7/11th i3/i5/i7 multiple CPU options
- DC 9~36V
- Extendable WIFI/4G

Namely Rule

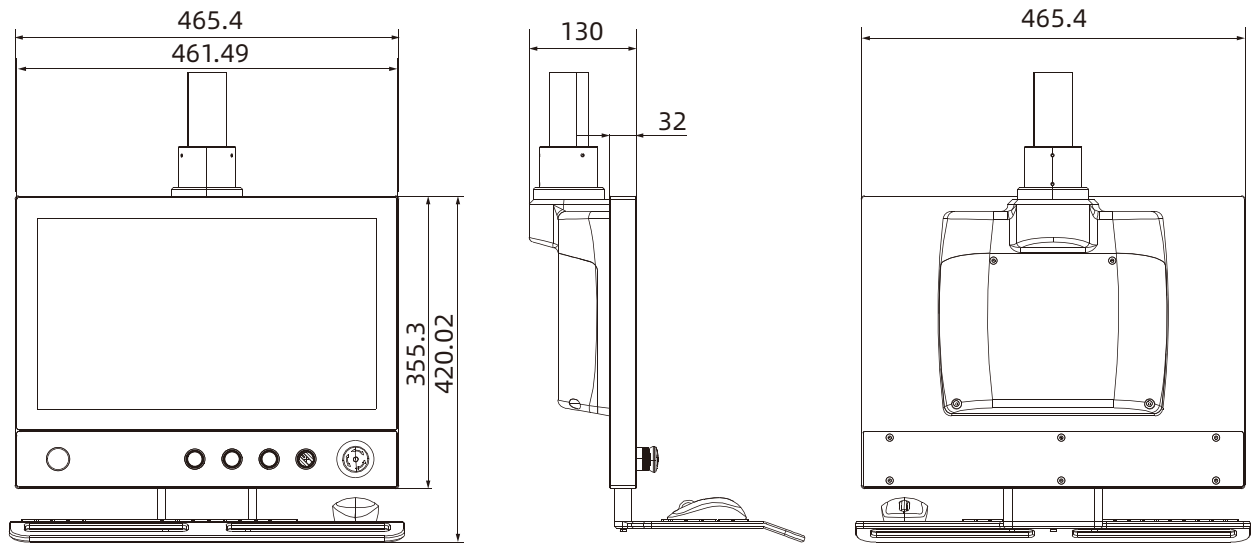
IPC5XXXX P Y L X -xxxK-4G-128G-xxxx



Specifications

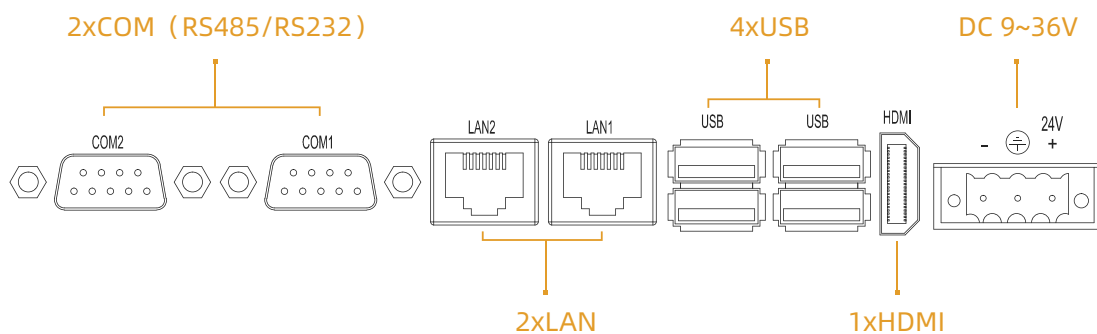
Model	IPC50185&IPC51185&IPC52185	
Processor	CPU	Intel® Celeron® J6412、Intel® Core™ 6/7/11th i3/i5/i7
	BIOS	AMI UEFI 64Mbit
	chipset	Intel® Soc
	Memory	DDR4-3200 Max 64G
	Storage	1 x mSATA+2 x M.2
I/O	Network (LAN)	2 x 1000Mbps RJ45 Ethernet port with surge protection /3xRJ45 (Intel® Core™ 11th processor)
	USB	4xUSB3.0
	COM	2xRS232/R5485 with surge protection, RS485 supports automatic flow control
	Expansion Slot	1xMin-Pcie X1, Support 4G LTE/WIFI/BT with Sim card slot
	Rear I/O	Intel® Celeron® J6412: 1xHDMI/2xRJ45/4xUSB/2xCOM/DC IN/Reset/Ground Intel® Core™ 6/7th: 1xHDMI/2xRJ45/4xUSB/2xCOM/DC IN/Reset/Ground Intel® Core™ 11th: 1xHDMI/3xRJ45/4xUSB/2xCOM/DC IN/Reset/Ground
Power	Input Voltage	DC 9~36V
	Power	30W (Intel® Celeron® J6412、Intel® Core™ 6/7th) ; 116W (Intel® Core™ 11th)
Physical	Display Port	HDMI
	Dimension (WxHxD)	(Keyboard bay not included) 465.4mm x 355.3mm x 130mm (18.32" x 13.99" x 5.12")
	Open Size (WxH)	(Keyboard bay not included) 12.5kg
	Net Weight(kg)	6085、4460 or 48 arm-mounted
LCD	Display Type	18.5" WXGA TFT
	Resolution	1366x768
	Colors	16.7M
	Active Area (WxH/mm)	409.8mmx230.4mm (16.13"x9.07")
	Backlight	LED
	MTBF (hour)	30000hrs
	Pixel Pitch (HxV)	0.3x0.3
	Luminance(cd/m2)	500cd/m2
	Contrast Ratio	1000:1
Touchscreen	Viewing Angle	(L) 89/ (R) 89/ (U) 89/ (D) 89
	Touch Type	Single point resistive touchscreen & Multi-point capacitive touchscreen & Non-touch screen
	Light Transmission	>85%
	Controller	USB interface
	Driver Support	Windows7, Window8, Windows10, Windows11, Linux, etc (Intel® Celeron® J6412, Intel® Core™ 11th don't support Win7)
	Multi-touch	10 points
	Surface Hardness	Resistive touchscreen: Mohs' Number >= 3H; Capacitive touchscreen: Mohs' Number 7H
Environment	Operating Temperature	0~50℃
	Storage Temperature	-20~60℃
	Relative Humidity	5~95% (Non condensation)
	Shock	Operating 10G peak acceleration(11 ms duration), follow IEC 60068-2-27
	Vibration	Operating Random Vibration Test 5~500Hz, 1Grms@with HDD; 2Grms@with SSD, follow IEC 60068-2-64
	EMC	CE/FCC Class A
Front Panel Protection		IP65

Technical Drawings unit: mm

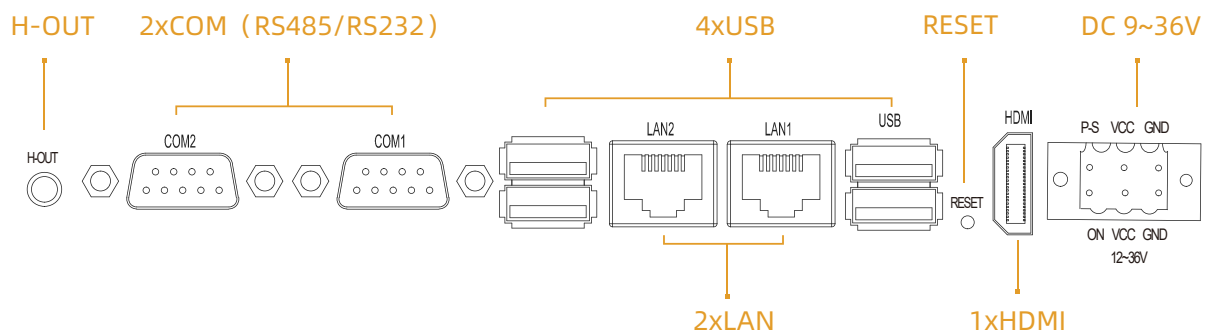


External I/O View

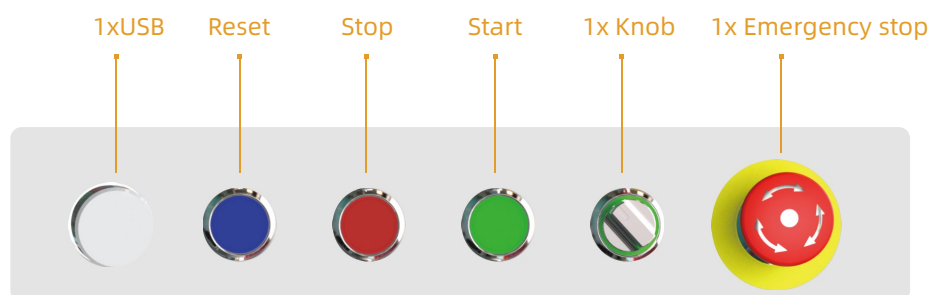
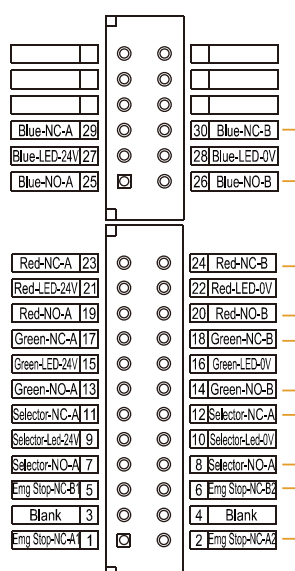
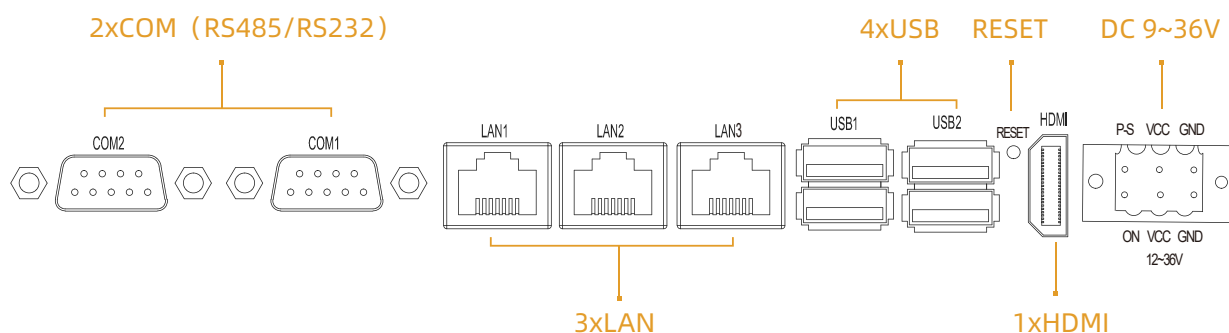
① The processor is 6th/7th Intel® Core™ i3/i5/i7 of IPC5XXXX series panel PC interface:



② The processor is Intel®Celeron® J6412 of IPC5XXXX series panel PC Interface:



③ The processor is 11th Intel® Core™ i3/i5/i7 of IPC5XXXX series panel PC interface:



Note: The figure above shows the number of standard buttons
The number and brand of buttons can be customized

Ordering Information

Part Number	Description
IPC50185-6405K-8G-128G	18.5" TFT LCD / Non-touch screen / extend 5 buttons / DC9~36V input / Resolution 1366x768 / J6412 / 8G RAM / 128G / mSATA / 2xLAN / 4xUSB / 1xHDMI
IPC51185-6405K-8G-128G	18.5" TFT LCD / Capacitive touch screen / extend 5 buttons / DC9~36V input / Resolution 1366x768 / J6412 / 8G RAM / 128G / mSATA / 2xLAN / 4xUSB / 1xHDMI
IPC52185-6405K-8G-128G	18.5" TFT LCD / Resistive touch screen / extend 5 buttons / DC9~36V input / Resolution 1366x768 / J6412 / 8G RAM / 128G / mSATA / 2xLAN / 4xUSB / 1xHDMI

Optional Accessories

mSATA	128G / 256G / 512G / 1T
2.5" HDD	512G / 1T / 2T
RAM	4G / 8G / 16G / 32G

Packing List

Terminal	3-pin terminal
Terminal	12-pin terminal
Terminal	24-pin terminal

Note: Package contents are subject to change without prior notice